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APPLICATION NUMBER: *60/498,257*
FILING DATE: *August 26, 2003*
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02527 U.S. PTO 08/26/03

PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a r quest for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53 (c).

Express Mail Label N .

INVENTOR(S)		
Given Name (first and middle [if any])	Family Name or Surname	Residence (City and either State or Foreign Country)
Scott Joseph	Duggan	Indianapolis, Indiana

☐ *Additional inventors are being named on the ____ separately numbered sheets attached hereto*

TITLE OF THE INVENTION (280 characters max)

LOW PROFILE MIRROR ADJUSTMENT SYSTEM FOR REAR PROJECTION DISPLAY

CORRESPONDENCE ADDRESS

Direct all correspondence to:

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☒ Firm *or* Individual Name	JOSEPH S. TRIPOLI, THOMSON LICENSING INC.				
Address	PATENT OPERATIONS.				
Address	P. O. BOX 5312				
City	PRINCETON	State	NJ	ZIP	08543-5312
Country	USA	Telephone	609-734-6834	Fax	609-734-6888

ENCLOSED APPLICATION PARTS *(check all that apply)*

☒ Specification *Number of Pages* 3 ☐ CD(s), Number ____

☒ Drawing(s) *Number of Sheets* 2 ☐ Other (specify) ____

☐ Application Data Sheet. See 37 CFR 1.76

METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT *(check one)*

☐ Applicant claims small entity status. See 37 CFR 1.27.

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FILING FEE AMOUNT ($)

☒ The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number: 07-0832 — 160

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The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

☒ No.

☐ Yes, the name of the U.S. Government agency and the Government contract number are: ____.

Respectfully submitted,

SIGNATURE Patricia A. Verlangieri Date 08/26/03

TYPED or PRINTED NAME Patricia A. Verlangieri REGISTRATION NO. *(if appropriate)* 42,201

Docket Number: PU030254

TELEPHONE 609 734-6867

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16235 U.S. PTO 60/498257 08/26/03

LOW PROFILE MIRROR ADJUSTMENT SYSTEM FOR REAR PROJECTION DISPLAY

FIELD OF THE INVENTION

The present invention is directed toward displays and in particular, toward rear projection displays.

BACKGROUND OF THE INVENTION

Most rear projection displays include a mirror mounted inside the rear of the display. The mirror may need to have small adjustments made to the mirror angles.

SUMMARY OF THE INVENTION

The present invention is a low profile mirror adjustment system for a rear projection display. The mirror adjustment system includes one or more adjuster screws and one or more spring clips. The adjuster screw and the spring clip work in unison with a support bracket to permit small adjustments for the mirror angle if needed.

BRIEF DESCRIPTION OF THE DRAWINGS

The invention is hereinafter described in detail with reference to the accompanying drawings, in which:

FIG. 1 depicts a side view of one embodiment of the low profile mirror adjustment system; and

FIGS. 2 depicts an assembled side view of the low profile mirror adjustment system shown in FIG. 1.

DETAILED DESCRIPTION

The present invention is a low profile mirror adjustment system for a rear projection display. The mirror adjustment system includes one or more adjuster screws 6 and one or more spring clips 5 (FIG. 1) The adjuster screw and the spring clip work in unison with a support bracket 10 to permit small adjustments for the mirror 11 angle if needed.

The spring clips 5 should be formed of a metal, such as for example aluminum (Al)) or plastic. The adjuster screws 6 may be form of a metal or plastic and may be made using any suitable process such as for example sheet metal forming, roll forming, die casting and extrusion, among others.

Referring to FIGS. 1 and 2, three adjuster screws 6 and spring clips 5 may be work in unison with a mirror support bracket 10 to permit small adjustments to the mirror 11 angle. The spring clips 5 hold the mirror 11 directly on the support bracket 12. Each spring clip 5 is attached over an adjuster screw 6. The adjuster screw 5 has a locking portion (details) that seats to the support bracket 10, preventing movement after the adjuster screw has been set. When adjusted the adjuster screw 6 moves the mirror and the spring clip 5. As such, the mirror remains securely fastened to the support bracket 10 (FIG. 2).

ABSTRACT

The present invention is a low profile mirror adjustment system for a rear projection display. The mirror adjustment system includes one or more adjuster screw and one or more spring clip. The adjuster screw and the spring clip work in unison with a support bracket to permit small adjustments for the mirror angle if needed.

PU 030254

Sheet 1/2

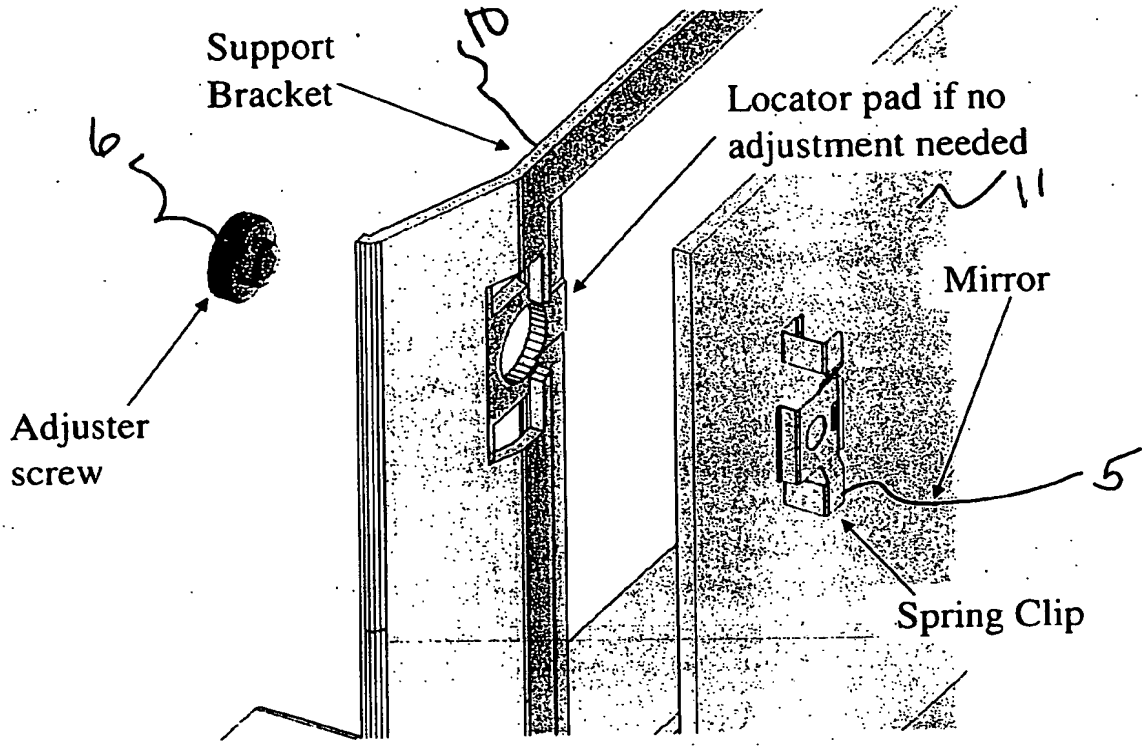

FIG. 1

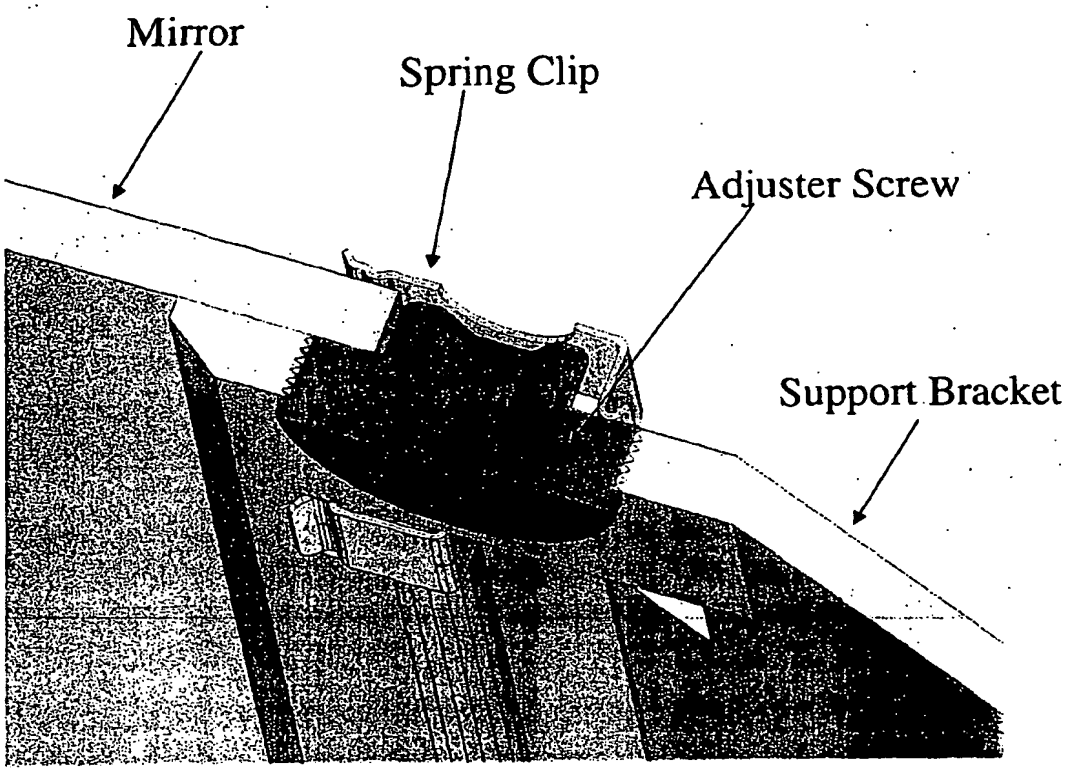

FIG. 2